



EU Declaration of Conformity

Radio Equipment: Calearo part numbers 754xxxxx, 76xxxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa
Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY
Tel: +39 0444 901311 Fax: +39 0444 901375
www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

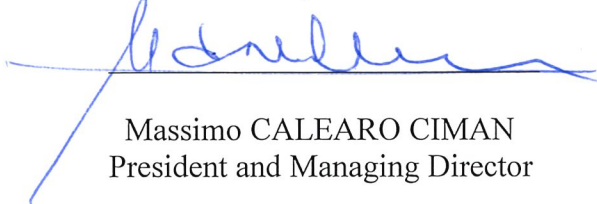
Directive 2014/53/EU (RED)

References to technical specifications and norms in relation to which conformity is declared:

ISO 11425-7:2003
CISPR 25:2008
ISO 7637-3:2007
72/245/EEC version 2006/96/EC
ISO 11452-4:2009
MIL-STD 461:2008
ISO 11452-9:2012
ISO 11452-2:2004
ISO 11452-8:2007
ISO 16750-2:2010
72/245/EEC version 2006/96/EC
TL 82133

The notified body IMQ 0051 performed EC Type examination 3.2 RADIO SPECTRUM FOR THE DIRECTIVE 2014/53/EU (TRANPOSED BY THE LEGISLATIVE DECREE 22 JUNE 2016, N.128) and issued the annexed EU-type examination certificate NO. 0051-RED-0033 REV. 0.

Isola Vicentina, 09/06/2017



Massimo CALEARO CIMAN
President and Managing Director

Declaration of Compliance to 2014/53/EU (RED)

3.1 (a) Safety

Radio Equipment: Rod antenna

Calearo part numbers: 754xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

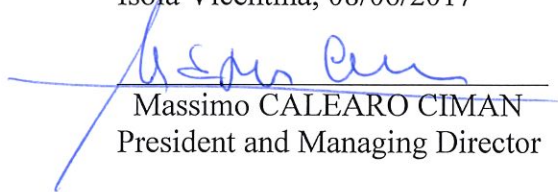
Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017



Massimo CALEARO CIMAN
President and Managing Director

Declaration of Compliance to 2014/53/EU (RED)

3.1 (a) Health

Radio Equipment: Rod antenna

Calearo part numbers: 754xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

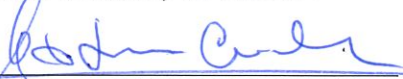
Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017



Massimo CALEARO CIMAN
President and Managing Director



Declaration of Compliance to 2014/53/EU (RED) 3.1 (B) EMC

Radio Equipment: Rod antenna

Calearo part numbers: 754xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017

A blue ink signature of Massimo CALEARO CIMAN, written over a horizontal line.

Massimo CALEARO CIMAN
President and Managing Director

No. 0051-RED-0033 Rev. 0

EU-TYPE EXAMINATION CERTIFICATE

CERTIFICATO DI ESAME UE DEL TIPO

IN APPLICATION OF ANNEX III OF DIRECTIVE 2014/53/EU, ON THE BASIS OF OUR ASSESSMENT CARRIED OUT EXCLUSIVELY FOR THE ARTICLE 3.2, ACCORDING TO MODULE B (EC-TYPE EXAMINATION), WE HEREBY CERTIFY THAT THE FOLLOWING RADIO EQUIPMENT:

IN APPLICAZIONE DELL'ALLEGATO III DELLA DIRETTIVA 2014/53/UE, SULLA BASE DELLA NOSTRA VALUTAZIONE EFFETTUATA ESCLUSIVAMENTE PER L'ARTICOLO 3.2, IN ACCORDO AL MODULO B (ESAME UE DEL TIPO), SI CERTIFICA CHE L'APPARECCHIATURA RADIO:

APPLICANT / RICHIEDENTE (AUTHORIZED REPRESENTATIVE / RAPPRESENTANTE AUTORIZZATO)

NAME
NOME CALEARO ANTENNE S.P.A.

ADDRESS
INDIRIZZO: VIA BACCHIGLIONE, 49 - 36033 ISOLA VICENTINA (VI)

APPARATUS / APPARECCHIO

TYPE
Tipo ROOF ANTENNA WITH ROD FOR AUTOMOTIVE APPLICATION

MODEL
Modello 754xxxx, 76xxxxx

TRADE MARK
Marca CALEARO

DERIVATED MODELS
Modelli derivati -

TECHNICAL FILE / DOCUMENTAZIONE TECNICA

FILE REFERENCE
Denominazione fascicolo 201704 RED0001_FT_Roof antenna with rod for automotive application rev.01

ISSUED BY
Redatto da CALEARO ANTENNE S.P.A.

DATE
Data 2017-04-18

N.A. = not applicable – non applicabile
N.E. = not evaluated – non valutato



SGQ N° 005 A EMAS N° 003 P
SGA N° 006 D PRO N° 005 B
SGE N° 006 M PRS N° 080 C
SCR N° 005 F ISP N° 063 E
SSI N° 003 G LAB N° 012 I
ITX N° 005 L LAT N° 021
FSM N° 007 I

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements



IMQ S.p.A. - Società con Socio Unico
I-20138 Milano
Via Quintiliano 43
tel. + 39 0250731
certificazione.direttive@imq.it
www.imq.it

THE RADIO EQUIPMENT MEETS THE ESSENTIAL REQUIREMENTS STATED BY ARTICLE 3 OF DIRECTIVE 2014/53/EU ACCORDING TO THE FOLLOWING STANDARDS:

L'APPARECCHIATURA RADIO SODDISFA I REQUISITI ESSENZIALI STABILITI DALL'ARTICOLO 3 DELLA DIRETTIVA 2014/53/UE IN ACCORDO ALLE SEGUENTI NORME:

Art. 3(1)(a)	— HEALTH <i>Salute</i>	N.E.
Art. 3(1)(a)	— SAFETY <i>Sicurezza</i>	N.E.
Art. 3(1)(b)	— EMC	N.E.
Art. 3(2)	— RADIO SPECTRUM <i>Spettro radio</i>	CUSTOMER SPECIFICATION SET
Art. 3(3)	— OTHER REQUIREMENTS <i>Altri requisiti</i>	N.A.

THIS EC TYPE EXAMINATION CERTIFICATE IS ISSUED BY IMQ AS NOTIFIED BODY FOR THE DIRECTIVE 2014/53/EU (TRANPOSED BY THE LEGISLATIVE DECREE 22 JUNE 2016, N.128).

QUESTO CERTIFICATO DI ESAME UE DEL TIPO È EMESSO DA IMQ IN QUALITÀ DI ORGANISMO NOTIFICATO PER LA DIRETTIVA 2014/53/UE (RECEPITO DAL DECRETO LEGISLATIVO DEL 22 GIUGNO 2016, N.128).

IMQ IS NOTIFIED BODY NOTIFIED TO EUROPEAN COMMISSION UNDER NUMBER: **0051**

IMQ È ORGANISMO NOTIFICATO PRESSO LA COMMISSIONE EUROPEA CON IL NUMERO: 0051

THIS DOCUMENT IS COMPOSED OF THE NUMBER OF PAGES AND ANNEXES BELOW INDICATED:

QUESTO DOCUMENTO È COMPOSTO DAL NUMERO DI PAGINE E ALLEGATI SOTTO INDICATI:

NUMBER OF ANNEXES: 2

NUMERO DI ANNESSI:

NUMBER OF TOTAL PAGES: 6

NUMERO DI PAGINE TOTALI:



CSQ

IMQ

FIRST ISSUE: 2017-06-08

PRIMA EMISSIONE:

CURRENT ISSUE: 2017-06-08

EMISSIONE CORRENTE:

ANNEX I

APPARATUS TECHNICAL INFORMATION:

INFORMAZIONI TECNICHE DELL'APPARATO:

MANUFACTURER / COSTRUTTORE

NAME <i>NOME</i>	CALEARO ANTENNE S.P.A.
ADDRESS <i>INDIRIZZO</i>	VIA BACCHIGLIONE, 49 - 36033 ISOLA VICENTINA (VI)

PRODUCT / PRODOTTO

APPLICATION <i>APPLICAZIONE</i>	ROOF ANTENNA WITH ROD FOR AUTOMOTIVE APPLICATION
FREQUENCY BAND / BANDS <i>BANDA / BANDE DI FREQUENZA</i>	140÷288 kHz, 515÷1715 kHz, 76÷95 MHz, 87÷108 MHz, 76÷108 MHz, 174÷240 MHz, 1452÷1492 MHz, 47÷68 MHz, 90÷108 MHz, 174÷230 MHz, 470÷862 MHz, 790÷960 MHz, 1710÷2690 MHz, 868.15÷868.45 MHz, 380÷430 MHz, 167÷174 MHz, 74÷84 MHz, 146÷174 MHz, 430÷470 MHz, 1559÷1610 MHz
RATED RF OUTPUT POWER <i>POTENZA RF IN USCITA NOMINALE</i>	N.A.
CHANNEL SEPARATION <i>SPAZIATURA DEL CANALE</i>	N.A.
TYPE OF MODULATION <i>TIPO DI MODULAZIONE</i>	N.A.
DUTY CYCLE <i>CICLO DI FUNZIONAMENTO</i>	N.A.
ANTENNA TYPE <i>TIPO DI ANTENNA</i>	Dedicated
CHANNEL ACCESS PROTOCOL <i>PROTOCOLLO DI ACCESSO AL CANALE</i>	N.A.

N.A. = not applicable – *non applicabile*

N.E. = not evaluated – *non valutato*

ANNEX II

CONFORMITY TO ESSENTIAL REQUIREMENTS (ARTICLE 3 OF 2014/53/EC DIRECTIVE):

CONFORMITÀ AI REQUISITI ESSENZIALI (ARTICOLO 3 DELLA DIRETTIVA 2014/53/UE):

EVALUATED DOCUMENTS <i>DOCUMENTI VALUTATI</i>	ISSUED BY <i>EMESSI DA</i>	STANDARDS <i>NORME</i>
HEALTH (ARTICLE 3.1a)		
Test Report n. N.E. issued N.E. rev. 0	N.E.	N.E.
SAFETY (ARTICLE 3.1a)		
Test Report n. N.E. issued N.E. rev. N.E.	N.E.	N.E.
EMC (ARTICLE 3.1b)		
Test Report n. N.E. issued N.E. rev. N.E.	N.E.	N.E.

ANNEX II

EVALUATED DOCUMENTS
DOCUMENTI VALUTATI

ISSUED BY
EMESSI DA

STANDARDS
NORME

RADIO SUITES (ARTICLE 3.2)

Test Report n. 201704 RED0002_Technical Report_Roof antenna with rod for automotive issued 2017-05-02 rev. 1	CALEARO ANTENNE S.P.A.	CUSTOMER SPECIFICATION SET
---	------------------------	----------------------------

OTHER REQUIREMENTS (ARTICLE 3.3)

Test Report n. N.A. issued rev.	N.A.
--	------

OTHER EVALUATED DOCUMENTS:

ALTRI DOCUMENTI VALUTATI:

EVALUATED DOCUMENTS
DOCUMENTI VALUTATI

ISSUED BY
EMESSI DA

REMARKS
OSSERVAZIONI

TECHNICAL CONSTRUCTION FILE / FASCICOLO TECNICO

Rif. n. 201704 RED0001_FT_Roof antenna with rod for automotive application issued 2017-04-18 rev. 01	CALEARO ANTENNE S.P.A.	--
--	------------------------	----

EVALUATION REPORT / RAPPORTO DI VALUTAZIONE

Rif. n. issued rev.	IMQ S.p.A.	--
---------------------------	------------	----

ANNEX II

EVALUATED DOCUMENTS

DOCUMENTI VALUTATI

ISSUED BY

EMESSI DA

STANDARDS

NORME

OTHER DOCUMENTS / ALTRI DOCUMENTI

Rif. n.

issued

rev.

FINAL COMMENTS / COMMENTI FINALI

The validity of this document is in charge at the time of issue and only relates to the situation at the time, the manufacturer has the responsibility to maintain the conformity to the Directive requirements when the original conditions are changed in design, manufacture, technical requirements or any other matter call in to question the validity of this document.

La validità di questo documento è in carica al momento del rilascio e si riferisce soltanto alla situazione, al momento, il produttore ha la responsabilità di mantenere la conformità ai requisiti della Direttiva quando le condizioni originali sono cambiati nella progettazione, produzione, requisiti tecnici o qualsiasi altra chiamata in questione a mettere in discussione la validità di questo documento.



Table of corresponding customer's part numbers CALEARO part numbers 754xxxx_76xxxxx

Customer P/N	Calearo P/N	Customer	Status
KDW 8W0 963 C	7540456	AUDI VOLKSWAGEN	01S
KDW 8W0 963 E	7540473	AUDI VOLKSWAGEN	01S



EU Declaration of Conformity

Radio Equipment: Calearo part numbers 754xxxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa
Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY
Tel: +39 0444 901311 Fax: +39 0444 901375
www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

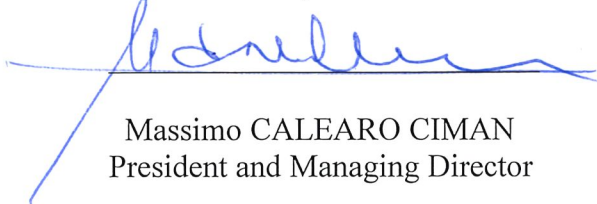
Directive 2014/53/EU (RED)

References to technical specifications and norms in relation to which conformity is declared:

ISO 11425-7:2003
CISPR 25:2008
ISO 7637-3:2007
72/245/EEC version 2006/96/EC
ISO 11452-4:2009
MIL-STD 461:2008
ISO 11452-9:2012
ISO 11452-2:2004
ISO 11452-8:2007
ISO 16750-2:2010
72/245/EEC version 2006/96/EC
TL 82133

The notified body IMQ 0051 performed EC Type examination 3.2 RADIO SPECTRUM FOR THE DIRECTIVE 2014/53/EU (TRANPOSED BY THE LEGISLATIVE DECREE 22 JUNE 2016, N.128) and issued the annexed EU-type examination certificate NO. 0051-RED-0033 REV. 0.

Isola Vicentina, 09/06/2017



Massimo CALEARO CIMAN
President and Managing Director

Declaration of Compliance to 2014/53/EU (RED)

3.1 (a) Safety

Radio Equipment: Rod antenna

Calearo part numbers: 754xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

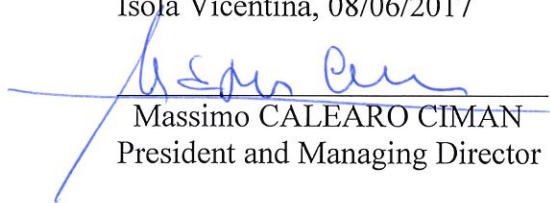
Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017



Massimo CALEARO CIMAN
President and Managing Director

Declaration of Compliance to 2014/53/EU (RED)

3.1 (a) Health

Radio Equipment: Rod antenna

Calearo part numbers: 754xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

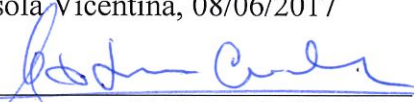
Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017



Massimo CALEARO CIMAN
President and Managing Director



Declaration of Compliance to 2014/53/EU (RED) 3.1 (B) EMC

Radio Equipment: Rod antenna

Calearo part numbers: 754xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the present declaration:

Roof antenna with rod for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017

A blue ink signature of Massimo CALEARO CIMAN, written over a horizontal line.

Massimo CALEARO CIMAN
President and Managing Director

No. 0051-RED-0033 Rev. 0

EU-TYPE EXAMINATION CERTIFICATE

CERTIFICATO DI ESAME UE DEL TIPO

IN APPLICATION OF ANNEX III OF DIRECTIVE 2014/53/EU, ON THE BASIS OF OUR ASSESSMENT CARRIED OUT EXCLUSIVELY FOR THE ARTICLE 3.2, ACCORDING TO MODULE B (EC-TYPE EXAMINATION), WE HEREBY CERTIFY THAT THE FOLLOWING RADIO EQUIPMENT:

IN APPLICAZIONE DELL'ALLEGATO III DELLA DIRETTIVA 2014/53/UE, SULLA BASE DELLA NOSTRA VALUTAZIONE EFFETTUATA ESCLUSIVAMENTE PER L'ARTICOLO 3.2, IN ACCORDO AL MODULO B (ESAME UE DEL TIPO), SI CERTIFICA CHE L'APPARECCHIATURA RADIO:

APPLICANT / RICHIEDENTE (AUTHORIZED REPRESENTATIVE / RAPPRESENTANTE AUTORIZZATO)

NAME
NOME CALEARO ANTENNE S.P.A.

ADDRESS
INDIRIZZO: VIA BACCHIGLIONE, 49 - 36033 ISOLA VICENTINA (VI)

APPARATUS / APPARECCHIO

TYPE
Tipo ROOF ANTENNA WITH ROD FOR AUTOMOTIVE APPLICATION

MODEL
Modello 754xxxx, 76xxxxx

TRADE MARK
Marca CALEARO

DERIVATED MODELS
Modelli derivati -

TECHNICAL FILE / DOCUMENTAZIONE TECNICA

FILE REFERENCE
Denominazione fascicolo 201704 RED0001_FT_Roof antenna with rod for automotive application rev.01

ISSUED BY
Redatto da CALEARO ANTENNE S.P.A.

DATE
Data 2017-04-18

N.A. = not applicable – non applicabile
N.E. = not evaluated – non valutato



SGQ N° 005 A EMAS N° 003 P
SGA N° 006 D PRO N° 005 B
SGE N° 006 M PRS N° 080 C
SCR N° 005 F ISP N° 063 E
SSI N° 003 G LAB N° 012 I
ITX N° 005 L LAT N° 021
FSM N° 007 I

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements



IMQ S.p.A. - Società con Socio Unico
I-20138 Milano
Via Quintiliano 43
tel. + 39 0250731
certificazione.direttive@imq.it
www.imq.it

THE RADIO EQUIPMENT MEETS THE ESSENTIAL REQUIREMENTS STATED BY ARTICLE 3 OF DIRECTIVE 2014/53/EU ACCORDING TO THE FOLLOWING STANDARDS:

L'APPARECCHIATURA RADIO SODDISFA I REQUISITI ESSENZIALI STABILITI DALL'ARTICOLO 3 DELLA DIRETTIVA 2014/53/UE IN ACCORDO ALLE SEGUENTI NORME:

Art. 3(1)(a)	— HEALTH <i>Salute</i>	N.E.
Art. 3(1)(a)	— SAFETY <i>Sicurezza</i>	N.E.
Art. 3(1)(b)	— EMC	N.E.
Art. 3(2)	— RADIO SPECTRUM <i>Spettro radio</i>	CUSTOMER SPECIFICATION SET
Art. 3(3)	— OTHER REQUIREMENTS <i>Altri requisiti</i>	N.A.

THIS EC TYPE EXAMINATION CERTIFICATE IS ISSUED BY IMQ AS NOTIFIED BODY FOR THE DIRECTIVE 2014/53/EU (TRANPOSED BY THE LEGISLATIVE DECREE 22 JUNE 2016, N.128).

QUESTO CERTIFICATO DI ESAME UE DEL TIPO È EMESSO DA IMQ IN QUALITÀ DI ORGANISMO NOTIFICATO PER LA DIRETTIVA 2014/53/UE (RECEPITO DAL DECRETO LEGISLATIVO DEL 22 GIUGNO 2016, N.128).

IMQ IS NOTIFIED BODY NOTIFIED TO EUROPEAN COMMISSION UNDER NUMBER: **0051**

IMQ È ORGANISMO NOTIFICATO PRESSO LA COMMISSIONE EUROPEA CON IL NUMERO: 0051

THIS DOCUMENT IS COMPOSED OF THE NUMBER OF PAGES AND ANNEXES BELOW INDICATED:

QUESTO DOCUMENTO È COMPOSTO DAL NUMERO DI PAGINE E ALLEGATI SOTTO INDICATI:

NUMBER OF ANNEXES: 2

NUMERO DI ANNESSI:

NUMBER OF TOTAL PAGES: 6

NUMERO DI PAGINE TOTALI:



CSQ

IMQ

FIRST ISSUE: 2017-06-08

PRIMA EMISSIONE:

CURRENT ISSUE: 2017-06-08

EMISSIONE CORRENTE:

ANNEX I

APPARATUS TECHNICAL INFORMATION:

INFORMAZIONI TECNICHE DELL'APPARATO:

MANUFACTURER / COSTRUTTORE

NAME

NOME

CALEARO ANTENNE S.P.A.

ADDRESS

INDIRIZZO

VIA BACCHIGLIONE, 49 - 36033 ISOLA VICENTINA (VI)

PRODUCT / PRODOTTO

APPLICATION

APPLICAZIONE

ROOF ANTENNA WITH ROD FOR AUTOMOTIVE APPLICATION

FREQUENCY BAND / BANDS

BANDA / BANDE DI FREQUENZA

140÷288 kHz, 515÷1715 kHz, 76÷95 MHz, 87÷108 MHz, 76÷108 MHz, 174÷240 MHz, 1452÷1492 MHz, 47÷68 MHz, 90÷108 MHz, 174÷230 MHz, 470÷862 MHz, 790÷960 MHz, 1710÷2690 MHz, 868.15÷868.45 MHz, 380÷430 MHz, 167÷174 MHz, 74÷84 MHz, 146÷174 MHz, 430÷470 MHz, 1559÷1610 MHz

RATED RF OUTPUT POWER

POTENZA RF IN USCITA NOMINALE

N.A.

CHANNEL SEPARATION

SPAZIATURA DEL CANALE

N.A.

TYPE OF MODULATION

TIPO DI MODULAZIONE

N.A.

DUTY CYCLE

CICLO DI FUNZIONAMENTO

N.A.

ANTENNA TYPE

TIPO DI ANTENNA

Dedicated

CHANNEL ACCESS PROTOCOL

PROTOCOLLO DI ACCESSO AL CANALE

N.A.

N.A. = not applicable – *non applicabile*

N.E. = not evaluated – *non valutato*

ANNEX II

CONFORMITY TO ESSENTIAL REQUIREMENTS (ARTICLE 3 OF 2014/53/EC DIRECTIVE):

CONFORMITÀ AI REQUISITI ESSENZIALI (ARTICOLO 3 DELLA DIRETTIVA 2014/53/UE):

EVALUATED DOCUMENTS <i>DOCUMENTI VALUTATI</i>	ISSUED BY <i>EMESSI DA</i>	STANDARDS <i>NORME</i>
HEALTH (ARTICLE 3.1a)		
Test Report n. N.E. issued N.E. rev. 0	N.E.	N.E.
SAFETY (ARTICLE 3.1a)		
Test Report n. N.E. issued N.E. rev. N.E.	N.E.	N.E.
EMC (ARTICLE 3.1b)		
Test Report n. N.E. issued N.E. rev. N.E.	N.E.	N.E.

ANNEX II

EVALUATED DOCUMENTS
DOCUMENTI VALUTATI

ISSUED BY
EMESSI DA

STANDARDS
NORME

RADIO SUITES (ARTICLE 3.2)

Test Report n. 201704 RED0002_Technical Report_Roof antenna with rod for automotive issued 2017-05-02 rev. 1	CALEARO ANTENNE S.P.A.	CUSTOMER SPECIFICATION SET
---	------------------------	----------------------------

OTHER REQUIREMENTS (ARTICLE 3.3)

Test Report n. N.A. issued rev.	N.A.
--	------

OTHER EVALUATED DOCUMENTS:

ALTRI DOCUMENTI VALUTATI:

EVALUATED DOCUMENTS
DOCUMENTI VALUTATI

ISSUED BY
EMESSI DA

REMARKS
OSSERVAZIONI

TECHNICAL CONSTRUCTION FILE / FASCICOLO TECNICO

Rif. n. 201704 RED0001_FT_Roof antenna with rod for automotive application issued 2017-04-18 rev. 01	CALEARO ANTENNE S.P.A.	--
--	------------------------	----

EVALUATION REPORT / RAPPORTO DI VALUTAZIONE

Rif. n. issued rev.	IMQ S.p.A.	--
---------------------------	------------	----

ANNEX II

EVALUATED DOCUMENTS

DOCUMENTI VALUTATI

ISSUED BY

EMESSI DA

STANDARDS

NORME

OTHER DOCUMENTS / ALTRI DOCUMENTI

Rif. n.

issued

rev.

FINAL COMMENTS / COMMENTI FINALI

The validity of this document is in charge at the time of issue and only relates to the situation at the time, the manufacturer has the responsibility to maintain the conformity to the Directive requirements when the original conditions are changed in design, manufacture, technical requirements or any other matter call in to question the validity of this document.

La validità di questo documento è in carica al momento del rilascio e si riferisce soltanto alla situazione, al momento, il produttore ha la responsabilità di mantenere la conformità ai requisiti della Direttiva quando le condizioni originali sono cambiati nella progettazione, produzione, requisiti tecnici o qualsiasi altra chiamata in questione a mettere in discussione la validità di questo documento.



Table of corresponding customer's part numbers CALEARO part numbers 754xxxx_76xxxxx

Customer P/N	Calearo P/N	Customer	Status
KDW 8W0 963 C	7540456	AUDI VOLKSWAGEN	01S
KDW 8W0 963 E	7540473	AUDI VOLKSWAGEN	01S



EU Declaration of Conformity

Radio Equipment: Calearo part numbers 77xxxxx, 790xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the present declaration:

Rod-drop roof antenna for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

References to technical specifications and norms in relation to which conformity is declared:

EN 6100-4-2:2008

ISO 10605:2008

ISO 11452-4:2011

ISO 11452-2:2004

ISO 11452-4:1995

CISPR 25:2016

CISPR 25:2008

ISO 16750-2:2012

ISO 11452-2:2004

ISO 11452-2:2001

ISO 11452-8:2015

ISO 11452-8:2007

ISO 11452-9:2012

ISO 7637-3:2016

ISO 7637-3:1995

E marking:

72/245/CEE

2004/104/CE

2006/28/CE

2006/96/CE

TL 82133

The notified body IMQ 0051 performed EC Type examination 3.2 RADIO SPECTRUM FOR THE DIRECTIVE 2014/53/EU (TRANPOSED BY THE LEGISLATIVE DECREE 22 JUNE 2016, N.128) and issued the annexed EU-type examination certificate NO. 0051-RED-0034 REV. 0.

Isola Vicentina, 09/06/2017

A handwritten signature in blue ink, appearing to read "Massimo", is written over a horizontal line.

Massimo CALEARO CIMAN
President and Managing Director



Declaration of Compliance to 2014/53/EU (RED)

3.1 (a) Safety

Radio Equipment: Rod-drop roof antenna

Calearo part numbers: 77xxxxx, 790xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

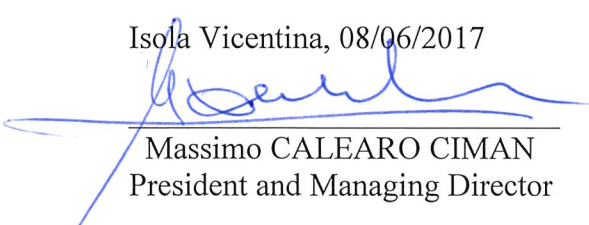
Object of the present declaration:

Rod-drop roof antenna for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017



Massimo CALEARO CIMAN
President and Managing Director

Declaration of Compliance to 2014/53/EU (RED)

3.1 (a) Health

Radio Equipment: Rod-drop roof antenna

Calearo part numbers: 77xxxxx, 790xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

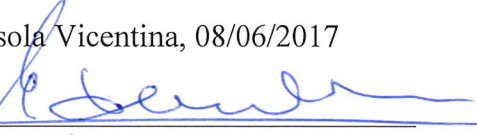
Object of the present declaration:

Rod-drop roof antenna for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017


Massimo CALEARO CIMAN
President and Managing Director



Declaration of Compliance to 2014/53/EU (RED) 3.1 (b) EMC

Radio Equipment: Rod-drop roof antenna

Calearo part numbers: 77xxxxx, 790xxxx, 76xxxxx (in annex, table of corresponding customers' part numbers)

Name and address of the manufacturer:

Calearo Antenne Spa

Via Bacchiglione 49 IT-36033 Isola Vicentina ITALY

Tel: +39 0444 901311 Fax: +39 0444 901375

www.calearo.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the present declaration:

Rod-drop roof antenna for automotive application

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

Directive 2014/53/EU (RED)

Isola Vicentina, 08/06/2017

Massimo CALEARO CIMAN
President and Managing Director

No. 0051-RED-0034 Rev. 0

EU-TYPE EXAMINATION CERTIFICATE

CERTIFICATO DI ESAME UE DEL TIPO

IN APPLICATION OF ANNEX III OF DIRECTIVE 2014/53/EU, ON THE BASIS OF OUR ASSESSMENT CARRIED OUT EXCLUSIVELY FOR THE ARTICLE 3.2, ACCORDING TO MODULE B (EC-TYPE EXAMINATION), WE HEREBY CERTIFY THAT THE FOLLOWING RADIO EQUIPMENT:

IN APPLICAZIONE DELL'ALLEGATO III DELLA DIRETTIVA 2014/53/UE, SULLA BASE DELLA NOSTRA VALUTAZIONE EFFETTUATA ESCLUSIVAMENTE PER L'ARTICOLO 3.2, IN ACCORDO AL MODULO B (ESAME UE DEL TIPO), SI CERTIFICA CHE L'APPARECCHIATURA RADIO:

APPLICANT / RICHIEDENTE (AUTHORIZED REPRESENTATIVE / RAPPRESENTANTE AUTORIZZATO)

NAME
NOME CALEARO ANTENNE S.P.A.

ADDRESS
INDIRIZZO: VIA BACCHIGLIONE, 49 - 36033 ISOLA VICENTINA (VI)

APPARATUS / APPARECCHIO

TYPE
Tipo ROD-DROP ROOF ANTENNA

MODEL
Modello 77xxxxx, 790xxxx, 76xxxxx

TRADE MARK
Marca CALEARO

DERIVATED MODELS
Modelli derivati -

TECHNICAL FILE / DOCUMENTAZIONE TECNICA

FILE REFERENCE
Denominazione fascicolo 201704 RED0001_FT_Roof antenna with rod for automotive application rev.01

ISSUED BY
Redatto da CALEARO ANTENNE S.P.A.

DATE
Data 2017-04-18

N.A. = not applicable – non applicabile
N.E. = not evaluated – non valutato



SGQ N° 005 A	EMAS N° 003 P
SGA N° 006 D	PRD N° 005 B
SGE N° 006 M	PRS N° 080 C
SCR N° 005 F	ISP N° 063 E
SSI N° 003 G	LAB N° 012 I
ITX N° 005 L	LAT N° 021
FSM N° 007 I	

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements



IMQ S.p.A. - Società con Socio Unico
I-20138 Milano
Via Quintiliano 43
tel. + 39 0250731
certificazione.direttive@imq.it
www.imq.it

THE RADIO EQUIPMENT MEETS THE ESSENTIAL REQUIREMENTS STATED BY ARTICLE 3 OF DIRECTIVE 2014/53/EU ACCORDING TO THE FOLLOWING STANDARDS:

L'APPARECCHIATURA RADIO SODDISFA I REQUISITI ESSENZIALI STABILITI DALL'ARTICOLO 3 DELLA DIRETTIVA 2014/53/UE IN ACCORDO ALLE SEGUENTI NORME:

Art. 3(1)(a)	– HEALTH Salute	N.E.
Art. 3(1)(a)	– SAFETY Sicurezza	N.E.
Art. 3(1)(b)	– EMC	N.E.
Art. 3(2)	– RADIO SPECTRUM Spettro radio	CUSTOMER SPECIFICATION SET
Art. 3(3)	– OTHER REQUIREMENTS Altri requisiti	N.A.

THIS EC TYPE EXAMINATION CERTIFICATE IS ISSUED BY IMQ AS NOTIFIED BODY FOR THE DIRECTIVE 2014/53/EU (TRANPOSED BY THE LEGISLATIVE DECREE 22 JUNE 2016, N.128).

QUESTO CERTIFICATO DI ESAME UE DEL TIPO È EMESSO DA IMQ IN QUALITÀ DI ORGANISMO NOTIFICATO PER LA DIRETTIVA 2014/53/UE (RECEPITO DAL DECRETO LEGISLATIVO DEL 22 GIUGNO 2016, N.128).

IMQ IS NOTIFIED BODY NOTIFIED TO EUROPEAN COMMISSION UNDER NUMBER: **0051**

IMQ È ORGANISMO NOTIFICATO PRESSO LA COMMISSIONE EUROPEA CON IL NUMERO: **0051**

THIS DOCUMENT IS COMPOSED OF THE NUMBER OF PAGES AND ANNEXES BELOW INDICATED:

QUESTO DOCUMENTO È COMPOSTO DAL NUMERO DI PAGINE E ALLEGATI SOTTO INDICATI:

NUMBER OF ANNEXES: 2

NUMERO DI ANNESSI:

NUMBER OF TOTAL PAGES: 6

NUMERO DI PAGINE TOTALI:



IMQ

FIRST ISSUE: 2017-06-08

PRIMA EMISSIONE:

CURRENT ISSUE: 2017-06-08

EMISSIONE CORRENTE:

ANNEX I

APPARATUS TECHNICAL INFORMATION:

INFORMAZIONI TECNICHE DELL'APPARATO:

MANUFACTURER / COSTRUTTORE

NAME NOME	CALEARO ANTENNE S.P.A.
ADDRESS INDIRIZZO	VIA BACCHIGLIONE, 49 - 36033 ISOLA VICENTINA (VI)

PRODUCT / PRODOTTO

APPLICATION APPLICAZIONE	ROD-DROP ROOF ANTENNA
FREQUENCY BAND / BANDS BANDA / BANDE DI FREQUENZA	515÷1715 kHz, 76÷95 MHz, 87÷108 MHz, 76÷108 MHz, 174÷240 MHz, 1452÷1492 MHz, 47÷68 MHz, 90÷108 MHz, 174÷230 MHz, 470÷862 MHz, 698÷960 MHz, 1710÷2690 MHz, 868.15÷868.45 MHz, 380÷430 MHz, 1559÷1610 MHz, 5850÷5925 MHz, 2320÷2345 MHz, 2400÷2500 MHz
RATED RF OUTPUT POWER POTENZA RF IN USCITA NOMINALE	N.A.
CHANNEL SEPARATION SPAZIATURA DEL CANALE	N.A.
TYPE OF MODULATION TIPO DI MODULAZIONE	N.A.
DUTY CYCLE CICLO DI FUNZIONAMENTO	N.A.
ANTENNA TYPE TIPO DI ANTENNA	Dedicated
CHANNEL ACCESS PROTOCOL PROTOCOLLO DI ACCESSO AL CANALE	N.A.

N.A. = not applicable – *non applicabile*

N.E. = not evaluated – *non valutato*

ANNEX II

CONFORMITY TO ESSENTIAL REQUIREMENTS (ARTICLE 3 OF 2014/53/EC DIRECTIVE):

CONFORMITÀ AI REQUISITI ESSENZIALI (ARTICOLO 3 DELLA DIRETTIVA 2014/53/UE):

EVALUATED DOCUMENTS

DOCUMENTI VALUTATI

ISSUED BY

EMESSI DA

STANDARDS

NORME

HEALTH (ARTICLE 3.1a)

Test Report n.

N.E.

N.E.

N.E.

issued N.E.

rev. 0

SAFETY (ARTICLE 3.1a)

Test Report n.

N.E.

N.E.

N.E.

issued N.E.

rev. N.E.

EMC (ARTICLE 3.1b)

Test Report n.

N.E.

N.E.

N.E.

issued N.E.

rev. N.E.

ANNEX II

EVALUATED DOCUMENTS
DOCUMENTI VALUTATI

ISSUED BY
EMESSI DA

STANDARDS
NORME

RADIO SUITES (ARTICLE 3.2)

Test Report n. 201704 RED0004_Technical Report_Rod-drop roof antenna for automotive application issued 2017-05-02 rev. 1	CALEARO ANTENNE S.P.A.	CUSTOMER SPECIFICATION SET
---	------------------------	----------------------------

OTHER REQUIREMENTS (ARTICLE 3.3)

Test Report n. N.A. issued rev.	N.A.
--	------

OTHER EVALUATED DOCUMENTS:

ALTRI DOCUMENTI VALUTATI:

EVALUATED DOCUMENTS
DOCUMENTI VALUTATI

ISSUED BY
EMESSI DA

REMARKS
OSSERVAZIONI

TECHNICAL CONSTRUCTION FILE / FASCICOLO TECNICO

Rif. n. 201704 RED0001_FT_Roof antenna with rod for automotive application issued 2017-04-18 rev. 01	CALEARO ANTENNE S.P.A.	--
--	------------------------	----

EVALUATION REPORT / RAPPORTO DI VALUTAZIONE

Rif. n. issued rev.	IMQ S.p.A.	--
---------------------------	------------	----

ANNEX II

EVALUATED DOCUMENTS

DOCUMENTI VALUTATI

ISSUED BY

EMESSI DA

STANDARDS

NORME

OTHER DOCUMENTS / ALTRI DOCUMENTI

Rif. n.

issued

rev.

FINAL COMMENTS / COMMENTI FINALI

The validity of this document is in charge at the time of issue and only relates to the situation at the time, the manufacturer has the responsibility to maintain the conformity to the Directive requirements when the original conditions are changed in design, manufacture, technical requirements or any other matter call in to question the validity of this document.

La validità di questo documento è in carica al momento del rilascio e si riferisce soltanto alla situazione, al momento, il produttore ha la responsabilità di mantenere la conformità ai requisiti della Direttiva quando le condizioni originali sono cambiati nella progettazione, produzione, requisiti tecnici o qualsiasi altra chiamata in questione a mettere in discussione la validità di questo documento.



Table of corresponding customer's part numbers CALEARO part numbers 77xxxxx_790xxxx_76xxxxx_

Customer P/N	Calearo P/N	Customer	Status
KDW 8W0 963 A	7900020	AUDI VOLKSWAGEN	01S

TRAGANT Handels- und Beteiligungs GmbH · Beeskowdamm 13/15 · 14167 Berlin

EU-Konformitätserklärung EU-declaration of conformity

Hersteller / Manufacturer:
Tragant Handels- und Beteiligungs GmbH
Beeskowdamm 13/15
14167 Berlin

TRAGANT Handels- und Beteiligungs GmbH
Beeskowdamm 13/15 · D-14167 Berlin

Telefon +49 (30) 845 908-0

Fax +49 (30) 845 908-33

www.tragant.de

Hiermit wird erklärt, dass das Produkt:
I hereby declare that the product:

Navilock NL-8004P MD6 seriell PPS Multi GNSS Empfänger u-blox 8 5 m
Navilock NL-8004P MD6 Serial PPS Multi GNSS Receiver u-blox 8 5 m

Artikel Nr.: 62527
Item No.: 62527

entsprechend der EU-Richtlinien und nach folgenden harmonisierten Normen geprüft wurde:
corresponding to EU-Directive and examined according to the following harmonized standards:

Elektromagnetische Verträglichkeit (EMV) Richtlinie 2014/30/EU
Electromagnetic compatibility (EMC) Directive 2014/30/EU

EN 55024:2010+A1:2015
EN 55032:2015:AC:2016, Class B
EN 61000-4-11:2004
EN 61000-4-2:2009
EN 61000-4-3:2006+A1:2008+A2:2010
EN 61000-4-4:2012
EN 61000-4-6:2014
EN 61000-4-8:2010

Radio Equipment Richtlinie (RED) 2014/53/EU
Radio Equipment Directive (RED) 2014/53/EU

EN 301 489-1 V2.1.1:2017
EN 301 489-19 V2.1.0 (2017-03)
EN 303 413 V1.1.1(2017-06)
Niederspannungsrichtlinie (LVD) 2014/35/EU
Low Voltage Directive (LVD) 2014/35/EU

EN 62368-1:2014+A11:2017

entspricht der EU-Richtlinie 2011/65/EU und 2015/863 der im Anhang II genannten Stoffe, die zulässige
Höchstkonzentration in Gewichtsprozent in homogenen Werkstoffen nicht überschreitet.
complies to EU-Directive 2011/65/EU and 2015/863 and does not exceed the maximum allowed concentration in
weight percent in homogenous material according to the material indicated in Appendix II.

Verantwortlich für diese Erklärung ist:
Responsible for this declaration:

Berlin, 2019-10-15



i.A. A. Nuglich
Product Manager

EU Declaration of Conformity

Hereby, u-blox AG declares under its sole responsibility that the following products are compliant with the essential requirements and other relevant provisions of the Radio Equipment Directive (RED) 2014/53/EU and the Restriction of the use of certain Hazardous Substances Directive (RoHS) 2011/65/EU and 2015/863/EU.

Technology	Model	Firmware Version
GNSS	MAX-M8W-0	3.01 SPG

Essential requirements:

Directive 2014/53/EU (RED)	Standards
Safety and health (Art.3.1a)	EN 60950-1:2006+AC:2011+A1:2010+A2:2013+A11:2009+A12:2011
Electromagnetic compatibility (Art.3.1b)	ETSI EN 301 489-19 V2.1.0 (2017-3) ETSI EN 301 489-1 V2.1.1 (2016-11)
Radio spectrum efficiency (Art.3.2)	ETSI EN 303 413 V1.1.1 (2017-6)
Directive 2015/863/EU (RoHS)	Standards
Prevention (Art.4.1)	EN 50581:2012

External antenna specification:

Manufacturer	Model	Frequency range	Noise figure	VSWR
INPAQ Technology Co.	B3G02G-S3-01-A	1558-1615MHz	2dB typ.	2.0 max.

Authorized representative within the European Union:

u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Name	Alberto Sampino
Position	Senior Manager Quality/Environmental System & Supplier Quality
Date	05-Mar-2019
Signature	

EU-Konformitätserklärung

Hiermit erklärt die u-blox AG unter ihrer alleinigen Verantwortung, dass die folgenden Produkte mit den grundlegenden Anforderungen und anderen relevanten Bestimmungen der Funkrichtlinie (RED) 2014/53/EU und der Richtlinie zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten (RoHS) 2011/65/EU und 2015/863/EU konform sind.

Technologie	Modell	Firmware Version
GNSS	MAX-M8W-0	3.01 SPG

Grundlegende Anforderungen:

Richtlinie 2014/53/EU (RED)	Standards
Sicherheit und Gesundheit (Art.3.1a)	EN 60950-1:2006+AC:2011+A1:2010+A2:2013+A11:2009+A12:2011
Elektromagnetische Verträglichkeit (Art.3.1b)	ETSI EN 301 489-19 V2.1.0 (2017-3) ETSI EN 301 489-1 V2.1.1 (2016-11)
Effektive spektrale Nutzung (Art.3.2)	ETSI EN 303 413 V1.1.1 (2017-6)
Richtlinie 2015/863/EU (RoHS)	Standards
Prävention (Art.4.1)	EN 50581:2012

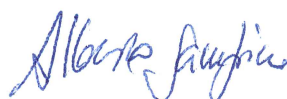
Spezifikation der externen Antenne:

Hersteller	Modell	Frequenzbereich	Rauschzahl	VSWR
INPAQ Technology Co.	B3G02G-S3-01-A	1558-1615MHz	2dB typ.	2.0 max.

Bevollmächtigter Vertreter innerhalb der Europäischen Union:

u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Name	Alberto Sampino
Position	Senior Manager Quality/Environmental System & Supplier Quality
Datum	05-Mar-2019
Unterschrift	



Déclaration UE de Conformité

Par la présente, u-blox AG déclare sous sa seule responsabilité que les produits suivants sont conformes aux exigences essentielles et aux autres dispositions pertinentes de la directive sur les équipements hertziens (RED) 2014/53/UE, et la directive relative à la limitation de l'utilisation de certaines substances dangereuses (RoHS) 2011/65/UE et 2015/863/UE.

Technique	Modèle	Version du Firmware
GNSS	MAX-M8W-0	3.01 SPG

Exigences essentielles:

Directive 2014/53/EU (RED)	Normes
Sécurité et santé (Art.3.1a)	EN 60950-1:2006+AC:2011+A1:2010+A2:2013+A11:2009+A12:2011
Compatibilité électromagnétique (Art.3.1b)	ETSI EN 301 489-19 V2.1.0 (2017-3) ETSI EN 301 489-1 V2.1.1 (2016-11)
Efficacité du spectre radio (Art.3.2)	ETSI EN 303 413 V1.1.1 (2017-6)
Directive 2015/863/EU (RoHS)	Normes
Prévention (Art.4.1)	EN 50581:2012

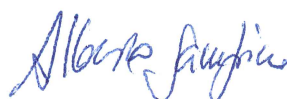
Spécification d'antenne externe:

Fabricant	Modèle	Gamme de fréquences	Facteur de bruit	VSWR
INPAQ Technology Co.	B3G02G-S3-01-A	1558-1615MHz	2dB typ.	2.0 max.

Représentant autorisé au sein de l'Union européenne :

u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Nom	Alberto Sampino
Position	Senior Manager Quality/Environmental System & Supplier Quality
Date	05-Mar-2019
Signature	



Dichiarazione di Conformità UE

Con la presente, u-blox AG dichiara sotto la sua esclusiva responsabilità che i seguenti prodotti sono conformi ai requisiti essenziali e alle altre disposizioni pertinenti alla direttiva sulle apparecchiature radio (RED) 2014/53/UE, e alle direttive sulla restrizione dell'uso di alcune sostanze pericolose (RoHS) 2011/65/UE e 2015/863/UE.

Tecnica	Modello	Versione del Firmware
GNSS	MAX-M8W-0	3.01 SPG

Requisiti essenziali:

Direttiva 2014/53/EU (RED)	Standards
Sicurezza e salute (Art.3.1a)	EN 60950-1:2006+AC:2011+A1:2010+A2:2013+A11:2009+A12:2011
Compatibilità elettromagnetica (Art.3.1b)	ETSI EN 301 489-19 V2.1.0 (2017-3) ETSI EN 301 489-1 V2.1.1 (2016-11)
Efficienza dello spettro radio (Art.3.2)	ETSI EN 303 413 V1.1.1 (2017-6)
Direttiva 2015/863/EU (RoHS)	Standards
Prevenzione (Art.4.1)	EN 50581:2012

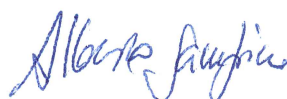
Specifica dell'antenna esterna:

Fabbricante	Modello	Intervallo di frequenze	Cifra di rumore	VSWR
INPAQ Technology Co.	B3G02G-S3-01-A	1558-1615MHz	2dB typ.	2.0 max.

Rappresentante autorizzato nell'Unione Europea:

u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Nome	Alberto Sampino
Posizione	Senior Manager Quality/Environmental System & Supplier Quality
Data	05-Mar-2019
Firma	



Declaración UE de Conformidad

Por la presente, u-blox AG declara bajo su exclusiva responsabilidad que los siguientes productos son compatibles con los requisitos esenciales y otras disposiciones pertinentes de la directiva sobre equipos radioeléctricos (RED) 2014/53/UE y la directiva sobre restricciones a la utilización de determinadas sustancias peligrosas (RoHS) 2011/65/UE y 2015/863/UE.

Técnica	Modelo	Versión de firmware
GNSS	MAX-M8W-0	3.01 SPG

Requisitos esenciales:

Directiva 2014/53/EU (RED)	Normas
Seguridad y salud (Art.3.1a)	EN 60950-1:2006+AC:2011+A1:2010+A2:2013+A11:2009+A12:2011
Compatibilidad electromagnética (Art.3.1b)	ETSI EN 301 489-19 V2.1.0 (2017-3) ETSI EN 301 489-1 V2.1.1 (2016-11)
Eficiencia del espectro radioeléctrico (Art.3.2)	ETSI EN 303 413 V1.1.1 (2017-6)
Directiva 2015/863/EU (RoHS)	Normas
Prevención (Art.4.1)	EN 50581:2012

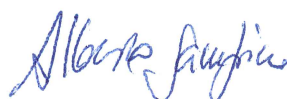
Especificación de la antena externa:

Fabricante	Modelo	Rango de frecuencia	Factor de ruido	VSWR
INPAQ Technology Co.	B3G02G-S3-01-A	1558-1615MHz	2dB typ.	2.0 max.

Representante autorizado en la Unión Europea:

u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Nombre	Alberto Sampino
Posición	Senior Manager Quality/Environmental System & Supplier Quality
Fecha	05-Mar-2019
Firma	



Deklaracja Zgodności UE

Niniejszym u-blox AG deklaruje na swoją wyłączną odpowiedzialność, że następujące produkty są zgodne z zasadniczymi wymogami i innymi stosownymi przepisami dyrektywy w sprawie sprzętu radiowego (RED) 2014/53/UE oraz dyrektyw w sprawie ograniczenia stosowania niektórych substancji niebezpiecznych (RoHS) 2011/65/UE i 2015/863/UE.

Technologia	Model	Wersja oprogramowania
GNSS	MAX-M8W-0	3.01 SPG

Zasadnicze wymagania:

Dyrektywa 2014/53/EU (RED)	Standardy
Bezpieczeństwo i zdrowie (Art.3.1a)	EN 60950-1:2006+AC:2011+A1:2010+A2:2013+A11:2009+A12:2011
Zgodność elektromagnetyczna (Art.3.1b)	ETSI EN 301 489-19 V2.1.0 (2017-3) ETSI EN 301 489-1 V2.1.1 (2016-11)
Wydajność widma radiowego (Art.3.2)	ETSI EN 303 413 V1.1.1 (2017-6)
Dyrektywa 2015/863/EU (RoHS)	Standardy
Zapobieganie (Art.4.1)	EN 50581:2012

Specyfikacja anteny zewnętrznej:

Producent	Model	Zakres częstotliwości	Współczynnik szumów	VSWR
INPAQ Technology Co.	B3G02G-S3-01-A	1558-1615MHz	2dB typ.	2.0 max.

Upoważniony przedstawiciel w Unii Europejskiej:

u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Imię i nazwisko	Alberto Sampino
Pozycja	Senior Manager Quality/Environmental System & Supplier Quality
Data	05-Mar-2019
Podpis	

